



University of Mauritius

DOCTORAL SCHOOL



4th
edition

8 - 10 OCTOBER
2025

DOCTORAL
COLLOQUIUM
PROGRAMME

Celebrating Six Decades of Knowledge:
Doctoral Research at the Crossroads of Innovation and Inclusion

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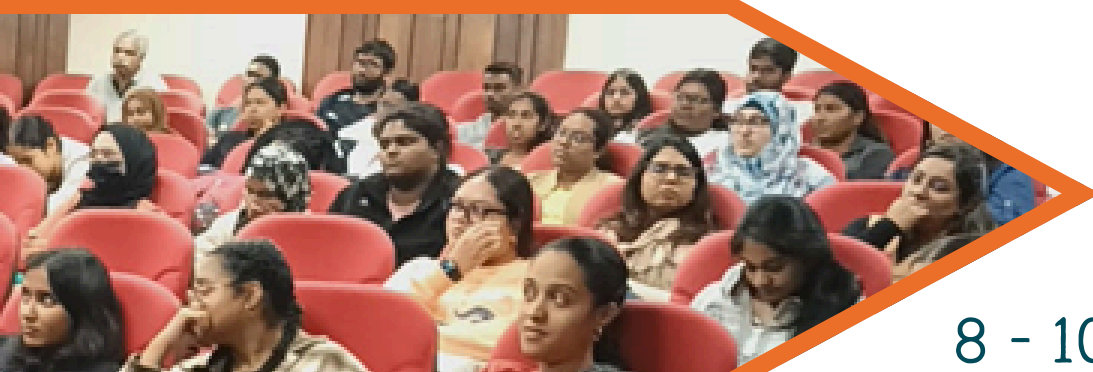
HONOURING OUR PAST AND
EMPOWERING FUTURE GENERATIONS



University of Mauritius

DOCTORAL SCHOOL

DOCTORAL COLLOQUIUM



4TH EDITION

8 - 10 OCTOBER 2025

OPENING PROGRAMME

WEDNESDAY 8 OCTOBER 2025
VENUE: LT2

08:45 - 09:15

REGISTRATION

09:15 - 09:20

ADDRESS

Assoc Prof (Dr) Vidushi Neergheen
Director Doctoral School
University of Mauritius

09:20 - 09:25

WELCOME ADDRESS

Prof Mohammad Issack Santally
Acting Vice-Chancellor
University of Mauritius

09:25 - 09:50

KEYNOTE ADDRESS

Prof Sebastian Gurtner
Head of Institute Innovation & Strategic Entrepreneurship
Bern University of Applied Sciences, Switzerland

09:50 - 10:05

ADDRESS AND OFFICIAL OPENING

Dr The Hon Kaviraj Sharma Sukon, *PHHEA, HFCoL*
Minister of Tertiary Education, Science and Research

10:05 - 10:15

VOTE OF THANKS

Assoc Prof (Dr) Vidushi Neergheen

10:15 - 10:45

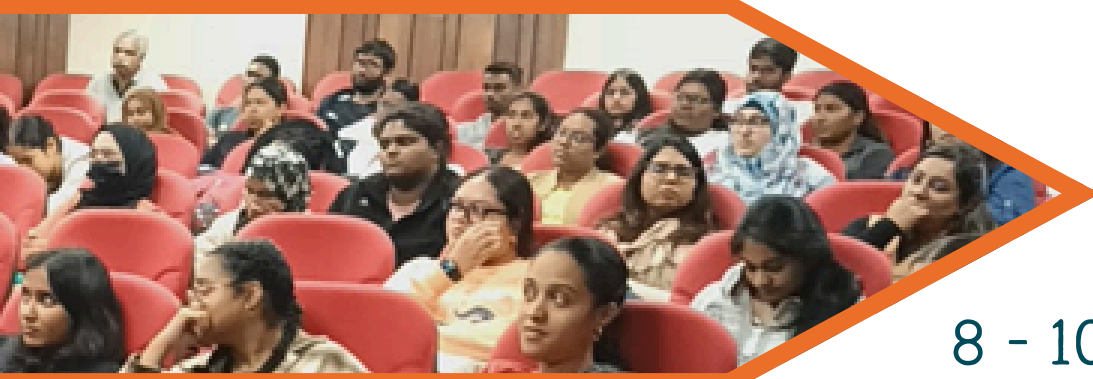
**GROUP PHOTO &
NETWORKING BREAK**



University of Mauritius

DOCTORAL SCHOOL

DOCTORAL COLLOQUIUM



4TH EDITION

8 - 10 OCTOBER 2025

PANEL DISCUSSION: ETHICAL USE OF AI IN RESEARCH

WEDNESDAY 8 OCT 2025

VENUE: LT2

CHAIRPERSON & MODERATOR

11:00 - 11:10

Prof (Dr) Upasana Gitanjali Singh
Academic Leader: Information Systems & Technology
University of KwaZulu-Natal

PANEL MEMBERS

11:10 - 11:20

Prof (Dr) Kavi Khedo
Deputy Director General
University of Technology

11:20 - 11:30

Assoc Prof (Dr) Maleika Heenaye-Mamode Khan
Dean, Faculty of Information, Communication and Digital Technologies
University of Mauritius

11:30 - 11:40

Assoc Prof (Dr) Baby Gobin
Faculty of Information, Communication and Digital Technologies
University of Mauritius

11:40 - 12:00

QUESTIONS & ANSWERS

12:00-13:00

LUNCH BREAK

DAY 1 &"(')"#\$!*!+,-./01!2324!	
56#78!%9!%933;%<933	
TRACK 1 (Online) 5B'C'9! D0>E01F!7G?-G10!H>E!)., @0-I! Subtheme 1: Gender, Society and 562'4\$&(5%4,7& Chair: Dr F Grant Zoom Link <u>"@K,GKKH>-K!</u> Dr M Lecoq-Bamboche "#!;!<=&**/** !	1. Wellbeing of women in Mauritius: when age, marital status, and perceived social support matter <i>A10 – Miss Poonam Reshma SADDUL (Emma) (UoM)</i>
	2. Hagar’s Story: Historical injustices against black women in South Africa and impact of climate change on vulnerable communities <i>B10 – Miss Brandina MBAYA (Stellenbosch University)</i>
	3. An exploration of local women’s philanthropies: disrupting formal structures to forge bridging social capital for African community development, the case of South Africa and Namibia <i>B31 - Miss Thandi MAKHUBELE (University of South Africa)</i>
	4. Custom, colonialism and christianity: conflicting views of rape and sexual consent in twentieth century colonial Malawi, c.1906-1929 <i>B51 - Ms Chifundo Terrisa KAMBA (Stellenbosch University)</i>
	5. The albatross of African women during apartheid: colonialism as the primary driver of mobility restriction and entrepreneurial suppression in South Africa <i>B100 - Mr Kwazinkosi SIBANDA (University of South Africa)</i>
	6. Local initiatives and gender mainstreaming in environment challenge <i>B17 – Mr Gelito Inácio Franco SULULU (Commonwealth Youth Climate Change Network)</i>
	7. Transforming toxic masculinity with young men: a participatory visual research <i>B101 - Mr Lusasa YANGA (Nelson Mandela University, South Africa)</i>
	8. A history of the state's and civil society's responses to transnational irregular migrations from the horn of Africa in Tanzania, 1960s to the present <i>B48 - Mr Seleman Yahaya SOMBE (Stellenbosch University)</i>

TRACK 2: 14:00-17:00	
56#78!2! =+>?@>0A! 5B'C'9 !!51H>K?H-@.>H?! 60K0H1,J!H>E!L>>.MH-@.>!N-1! 60K@?@0>-!B0H?-J!)IK-0OK	1. Development of novel fruit extract loaded nanoemulsions for therapeutic potential <i>A9 – Miss Bibi Warda JAUMBOCUS (UoM)</i> 2. Carbapenem- resistant Enterobacterales (CRE) in blood culture samples <i>A14 - Miss Bhavna Madhushi RAKHAL (UoM)</i>

<p>Subtheme: Innovative Biomedical Research and Therapeutic Advances</p> <p>Co-Chairs: Dr M Balmith/Assoc Prof(Dr) R Jeewon</p> <p>Zoom Link</p> <p><u>Discussants</u></p> <p>Dr S Biranjia-Hurdoyal Dr Z Toorabally</p>	<p>3. Antibacterial and synergistic activities of five medicinal plants from Mauritius and Comoros islands <i>A25 – Ms Chahidat MOHAMED SOUDJAY (UoM)</i></p>
	<p>4. Effect of high stress hormone levels on neural tube closure during embryonic development <i>A36 - Miss Deeksha Aarti NURSIMULU (UoM)</i></p>
	<p>5. Effect of FA on oxidative stress and m6a RNA methylation in Hek293 kidney cells <i>B23 – Miss Noxolo Laurah RADEBE (UKZN)</i></p>
	<p>6. Long non-coding RNAs, metastasis-associated lung adenocarcinoma transcript 1 (MALAT-1) as potential biomarkers for the diagnosis of tuberculosis <i>B43 - Mr Tatang Junior FABRICE (University of Douala, Cameroon)</i></p>
	<p>7. Valorisation of raw fly Ash and fly ash composite as adsorbents for adsorptive removal of diverse pharmaceuticals: Mechanistic insights via thermodynamics, isotherms and kinetic modeling <i>B44 - Mr Magqira BAVUYILE (UKZN)</i></p>
	<p>8. Adsorption of pharmaceutical contaminants from wastewater using <i>Lippia Javanica</i> as bio-adsorbents <i>B75 – Miss Thandeka Sibuko MBATHA (UKZN)</i></p>
	<p>9. Pharmacokinetics of rifampin in tuberculosis patients with comorbidities: identifying patients who need dose adjustment <i>B102 - Dr Bibie SAID (Nelson Mandela African Institutional of Science and Technology Arusha, Tanzania)</i></p>
	<p>10. An In-Silico and In-Vivo study conducted on c57bl/6 mice exposed to acute fumonisin b1 implicated in the onset of cardiac inflammation and methylation <i>B103 - Mr Selwyn Kyle GOUNDER (UKZN)</i></p>
	<p>11. Artefact detection and classification in esophagus endoscopic images <i>A26 - Mrs Preeti BISSOONAUTH – DAIBOO (UoM)</i></p>
	<p>12. Optimisation of spray drying conditions to produce Black soldier fly larvae protein powder for human consumption <i>B79 - Dennis CHAKAWA (Stellenbosch University)</i></p>

TRACK 3: 14:00-17:00	
<p><u>TRACK 3 (Online)</u></p> <p>THEME: Accounting</p>	<p>1. The impact of blue economy expenditure on tax revenue in Mauritius <i>A1 – Mr Fidel NUNOOFIO (UoM)</i></p>
	<p>2. Government R&D and private sector investment flows in renewable energy: “a meta-analysis of sub-Saharan Africa.” – <i>A41 - Mr Takura Courage MASUNDA (UoM)</i></p>

<p>Chair: Assoc Prof (Dr) D Ramdhony</p> <p>Zoom Link</p> <p><u>Discussants</u></p> <p>Assoc Prof (Dr) S Fauzel Assoc Prof (Dr) U Subadar</p>	<p>3. Geopolitical risk and investor sentiment: Their impact on volatility and contagion in East African stock markets <i>B53 – Mr Arnold Irangi GIDEON (UKZN)</i></p>
	<p>4. Industry-specific effects of geopolitical risk on the quality of the stock market in South Africa <i>B58 – Miss Sandisele JAFFAR (UKZN)</i></p>
	<p>5. Entrepreneurial financial literacy training interventions and financial knowledge nexus: key determinants and insights from critical literature review <i>B59 – Mr Maxwell Ncane (UKZN)</i></p>
	<p>6. Evaluating audit quality management systems in south african small and medium-sized audit firms: supporting sustainability in a complex regulatory and ethical environment <i>B69 – Miss Hlengiwe NDLELA (UKZN)</i></p>
	<p>7. Evaluating the progress of corporate social responsibility disclosures of rural social development by companies listed in the finance and insurance sector of the johannesburg securities exchange in south africa <i>B78 – Mr Shagaran RATHNASAMY (UKZN)</i></p>
	<p>8. Dynamic connectedness, hedging effectiveness, and investor sentiment in emerging financial markets <i>B82 – Miss Thabile NKOSI (UKZN)</i></p>
	<p>9. Influence of artificial intelligence on customer confidence, financial risk management and client security in the banking sector of zimbabwe <i>B85 – Mrs Ruth Muchechesi (UKZN)</i></p>

TRACK 4: 14:00-17:15	
<p><u>TRACK 4.1 (Online)</u></p> <p>14:00-15.45</p> <p>THEME: Energy</p> <p>Chair: Prof K Elahee</p> <p>Zoom Link</p> <p><u>Discussants</u> Ms H P Ndlela Dr Y Ramgolam Dr V Dookhun</p>	<p>1. Renewable energy transitions in sub-saharan Africa: lessons from Latin America's success <i>A28 – Mr Brian MOYO (UoM)</i></p>
	<p>2. Modeling wind speed variability for energy potential estimation with multi-component weibull mixtures <i>B26 – Mr Jimoh Saheed TUNJI (UKZN)</i></p>
	<p>3. Carbon tax policy to accelerate renewable energy investment in Madagascar <i>B62 – Mrs Narindra RALEFOMANANA (University of Antananarivo)</i></p>
	<p>4. Green energy and gendered insecurity in the lithium extraction era <i>B73 – Miss Rutendo Vimbainashe NAZARE (Rhodes University in South Africa)</i></p>
	<p>5. The sustainable use of biomass for bioenergy, climate change mitigation and circular economy <i>A17 – Mrs Rajshree Mokool (UoM)</i></p>
	<p>6. The impact of battery energy storage systems on transient stability and renewable energy pricing in interconnected power systems <i>A24 – Miss Mbiko BANDA (UoM)</i></p>

	7. Biodiesel production using diverse parameters and using reaction kinetics <i>A6 – Mrs Dhishna Fanish RUTAH (UoM)</i>
<u>TRACK 4.2 (Online)</u> 15.45 -17:15 THEME: Ecology, Environment and Marine Sciences Chair: Assoc Prof V Florens Zoom Link <u>Discussants</u> Assoc Prof S Dyall Assoc Prof S Jawaheer	8. Testing the effectiveness of non-lethal fruit crop protection in alleviating human-wildlife conflict involving an island flying fox <i>A7 – Miss Geetika BHANDA (UoM)</i>
	9. Conservation practitioners' perception on ecological restoration of native terrestrial habitats on small oceanic islands: challenges and solutions to improve success <i>A22 - Mr Francois Marc M BAGUETTE (UoM)</i>
	10.Effects of invasive alien plants on avian insectivory in the best-preserved wet forests of an oceanic island <i>A27 - Miss Ghanishta SEEBURRUN (UoM)</i>
	11.Community perceptions reveal urgent cave protection priorities: A preliminary study on an oceanic island <i>A37- Miss Yogishah Ashmi BUNSY (UoM)</i>
	12.Crustacean species diversity and habitat interactions with marine fish aquaculture structures in Mauritius <i>A13 – Miss Bhuvaneshwaree SURROOP (UoM)</i>
	13.Assessing the impact of agricultural activities on marine plankton communities <i>A33 – Miss Doorgashi BOYJOO (UoM)</i>

DAY 2 (MORNING SESSION)
THURSDAY 9 October 2025

TRACK 1: 09:00-12:00

<u>TRACK 1 (Online)</u> THEME: Application of Artificial Intelligence and Machine Learning Co-Chairs: Dr Devina Oodith /Assoc Prof (Dr) A. Mungur Zoom Link <u>Discussants</u> Assoc Prof (Dr) Z Mungloo Dilmohamud Dr A Mohabuth	1. Beyond checklists: African voices and AI in medical professionalism <i>A23 – Dr (Mrs) Bibi Sumera KEENOO (UoM)</i>
	2. Enhancing ethical interactions with AI systems: an affective design framework <i>A30 – Mr Yuvraj KEENOO (UoM)</i>
	3. Challenges in multiclass segmentation for coastal shoreline detection <i>A32 – Ms Azina NAZURALLY (UoM)</i>
	4. Fuzzy inference systems for age-invariant face recognition: addressing the challenge of very young faces <i>A35 – Mr Mohammad Shoaib Ibne Saleem CASSEEM (UoM)</i>
	5. Unlocking firm performance insights: a machine learning vs. traditional methods approach <i>B24 – Mr Trustlord MARECHA (UKZN)</i>

	6. AI-enabled anticipatory action for climate-induced disasters in Zimbabwe: aligning Civil Protection, SADC climate services, and the Sendai Framework for resilient response <i>B64 – Mr Godsave ZHOU (UNISA)</i>
	7. Human-centered AI for forest conservation: pathways for Africa's climate-smart future <i>B66 – Miss Godwille MONGARE (Stellenbosch University)</i>
	8. Leveraging AI-enhanced payment and financial systems to enhance performance of taxi business in Nairobi county, Kenya <i>B70 – Mr William Mitungu OKATA</i>
	9. Developing an IDE-based automated program repair plugin for kotlin-written android mobile applications <i>B71 - Mr Akot Benjamin AWANDA [Namibia University of Science and Technology (NUST)]</i>
	10. Explainable artificial intelligence in 6g networks: state of the art, ongoing research, and future directions <i>A16 – Mr Haïdar-Ali Mozammeer DEENMAHOMED (UoM)</i>

TRACK 2: 09:00-12:00

TRACK 2 (Online) THEME: Economics and Statistics Co-Chairs: Assoc Prof (Dr) H Kasseeah Zoom Link <u>Discussants</u> Mr M Hosenally Dr Z Jannoo	1. A hybrid approach to risk management: evaluating captive and parametric insurance on the African landscape <i>A4 - Miss Danisha MARTHEN (UoM)</i>
	2. Economic growth and human capital in Mauritius <i>A43 – Mr Vilesh Ray Seebaruth (UoM)</i>
	3. Domestic credit creation and sectoral economic growth in Nigeria <i>B32 – Mrs Ololade OLANIYAN (Afe Babalola University, Nigeria)</i>
	4. Contribution of plant ecosystem services to the socio-economic conditions of local people close to the Nazinga protected area in Burkina Faso, West Africa <i>B37 - Mr Razakaharisoa Mino HENIKAFITIAVANA (University of Antananarivo)</i>
	5. Innovative procurement policies in enhancing socio-economic growth through small, medium, and micro enterprises in ensuring a sustainable construction sector in South Africa <i>B52 - Mrs Nonjabulo Brenda NDLOVU (UKZN)</i>
	6. Analysing the implementation gap in Zimbabwe's budget cycle and its impact on sustainable development goals. <i>B56 – Mr Prosper MANAVELE (University of Johannesburg)</i>
	7. Analysis of youth unemployment in Botswana - understanding the reality <i>B74 – Ms Keotshepile Pinkie Keakopa (UNICAMP)</i>

	8. Trade liberalisation and poverty: a meta-analysis <i>A46-Ms R. Subramanyan (UoM)</i>
	9. Monetary winds and fiscal tides: a regime-switching tale of stock market sectors <i>B99 – Mr Yeukai Memorial RUDZI (UKZN)</i>

TRACK 3: 09:00-12:00

<p><u>TRACK 3 (Online)</u></p> <p>THEME: Business Management</p> <p>Co-Chairs: Dr J Ramasamy-Gurayah/Assoc Prof (Dr) V Teeroovengadam</p> <p><u>Zoom Link</u></p> <p><u>Discussants</u> Dr A Ako-Nai Dr A Beharry Dr O Bissoon Dr P Gunesh Dr R Sannegadu</p>	1. Antecedents and Outcomes of Workplace Learning in the Public Sector: A Conceptual Framework <i>A12 - Mr Tandarayen Balakrishnen (UoM)</i>
	2. A framework that addresses the relationships between technological innovations, employees employability and career anchors <i>A31 - Mr Kossi Essè mou-Abalè ASSOGBAVI (UoM)</i>
	3. Exploring the relationship between work-life integration, organizational commitment and burnout in the conservation sector within Africa <i>A38 - Mr Ravi Kumar Keenoo (UoM)</i>
	4. Exploring the factors affecting quality of working life of employees in the civil service of Mauritius <i>AA1 - Mr Mohammad Nizam JAFFUR (Open University of Mauritius)</i>
	5. A framework for effective research data management practices for improved research outcomes in selected universities in Kenya <i>B3 – Mr Joel NAKITARE (Rongo University in Kenya)</i>
	6. Implementation framework model for entrepreneurship digitalisation for enhanced women entrepreneurship <i>B4 – Miss Rahabhi MASHAPURE (Chinhoyi University of Technology)</i>
	7. Emergent strategy-making in higher private education institutions by managers: a micro-foundational perspective <i>B20 – Ms Grace MAGAMA (UNISA)</i>
	8. The effectiveness of strategic management practices at a public university in Tanzania: a case study of the University of Dar Es Salaam <i>B34 - Haghai PANDISHA</i>
	9. Supply chain retail circularity for restorative food waste management in selected grocery retailers in Botswana <i>B83 – Mrs Katlego Mahupa TLHAKANELO (UKZN)</i>
	10. Framing sustainable logistics distribution strategies to leverage responsive humanitarian aid in Zimbabwe <i>B84 - Mr Percy MABWE (UKZN)</i>
	11. Enhancing SME Competitiveness Through ICT Solutions <i>B95 - Miss Lakshi MEGHOO (Open University of Mauritius)</i>

TRACK 4: 09:00-12:00

<p><u>TRACK 4.1 (Online)</u></p> <p>09:00-09:45</p> <p>THEME: Tourism and Sustainable Development</p> <p>Chair: Prof R Nunkoo</p> <p><u>Zoom Link</u></p> <p><u>Discussants</u> Dr O Bissoon Dr P Gunesh</p>	<ol style="list-style-type: none"> 1. Integrating indigenous cuisines into culinary arts curricula in higher education: a pathway to strengthen gastronomy tourism in Malawi <i>B8 - Ms Natasha Mashura RUNGANGA (Moi University, Kenya)</i> 2. COVID-19 economic impacts and resilience strategies for recovery in Nigeria's hotel sector <i>B25 - Ms Anita O AINA (Durban University of Technology)</i> 3. From theory to practice: exploring employee competencies in hospitality through an exploratory sequential mixed method <i>B72 - Mrs Lynnette VAN DER MERWE (Tshwane University of Technology)</i>
<p><u>TRACK 4.2 (Online)</u></p> <p>09:45-12:00</p> <p>THEME: Law</p> <p>Chair: Dr G Georgevic</p> <p><u>Zoom Link</u></p> <p><u>Discussants</u> Prof Gunpath Dr A Beebeejaun Dr A Mahadew</p>	<ol style="list-style-type: none"> 4. Critical analysis of causes of crimes and drug trafficking/ proliferation in mauritius through case studies of homicides, femicides and infanticides in our postmodern society <i>AA3 - Mr Bhojesh DOMUN (Open University Mauritius)</i> 5. An investigation of the legal enforcement of Labour Law and decent working conditions in Mauritius <i>AA4 - Mr Désiré Gaël HENRIETTE-BOLLI (Open University of Mauritius)</i> 6. Beyond bars: gendered pathways in pretrial detention policies in post-conflict African States – A case study of South Sudan <i>B6 - Ms Cheryl SEMBIE (University of the Western Cape)</i> 7. International guarantees for foreign investments in the context of economic changes <i>B30 - Mr Mohamed Sobhy Hassan Ali MOHAMED (Zagazig University, Egypt)</i> 8. “Sex, urban livelihoods and the law”: A history of sex work resilience in Zimbabwe c.1927-2025 <i>B41 - Mr Tapiwa Vincent MUTASA (Stellenbosch University)</i> 9. Analysis of alternative dispute resolution as alternative to litigation in criminal matters <i>B42 - Ms Mahlodi Petunia MOTHAPPO (University of South Africa)</i> 10. Rebuilding citizen trust in fragile states: the role of local government performance, rule of law, and responsiveness in somalia <i>B86 - Ahmed-Nor Mohamed ABDI (Makerere University, Uganda)</i>

	11. The ethical & legal implications of neurotechnology on the South African criminal justice system <i>B90 - Ms Theshaya NAIDOO (UKZN)</i>
	12. Evaluating the effectiveness of GDPR compliance frameworks in government institutions:a case study of South Africa under POPIA <i>B55 – Mr Phetole Alpheus Masiyapata (UKZN)</i>

TRACK 5: 09:00-12:00

<p><u>TRACK 5 (Online)</u></p> <p>THEME: Agriculture, Biotechnology and Natural Resources</p> <p>Chair: Assoc Prof (Dr) M Ranghoo-Sanmukhiya</p> <p>Zoom Link</p> <p><u>Discussants</u> Assoc Prof (Dr) H Neetoo Dr S Bhoyroo</p>	1. Characterization of fungal and bacterial pathogens in greenhouse tomatoes: morphological, molecular, and mycotoxin assessment <i>A39 – Miss Nooreen MAMODE ALLY (UoM)</i>
	2. Rainwater harvesting in Mauritius: quality, safety, and sustainable use <i>A42 – Miss Narvadha Devi KHOOBLALL (UoM)</i>
	3. Energy and agronomic valorization of millet stalks, cashew shells, and rumen contents through pyrolysis <i>B57 - Mr Karim ZONGO (University of Antananarivo)</i>
	4. Exploring the role of legumes in economic diversification and sustainable agriculture in Malawi <i>B5 – Ms Dorothy CHISUSU (LUANAR)</i>
	5. Microbiological and physicochemical characteristics of cow's milk collected from cow farmers in Mauritius <i>A8 – Ms Bilamakaza Souriatou TAGBA (UoM)</i>
	6. Taking into account climate change and Redd+ in agricultural production in Cameroon: the case of cassava cultivation <i>B16 – Mrs Chanceline NGUEKEU (l'Université de Yaoundé, Cameroun)</i>
	7. A study on the use of ICT tools by small and medium scale fresh vegetable producers and other actors involved in the marketing of fresh vegetables in Mauritius <i>A21 – Miss Marie Nadine Corine MOLOYE (UoM)</i>

DAY 2 (AFTERNOON SESSION)
THURSDAY 9 October 2025

TRACK 1: 13:00-17:00

TRACK 1 (Online)

THEME: THEME: Gender, Culture and Society

Subtheme 2: Culture and Society

Chair: Assoc Prof (Dr) N Aumeerally

[Zoom Link](#)

Discussants

Dr T Auckle

1. Une étude sociodiscursive de la couverture médiatique de la finale de football des JIOI de 2019
A18 – Kovillina DURBARRY (UoM)
2. Les affiches événementielles à l'île Maurice: le reflet de la diversité linguistique et culturelle dans le mécanisme des industries culturelles
A29 - Ms Kimberly OXIDE (UoM)
3. Alimentation, nature et kiltivation: des dynamiques Mauriciennes éclairées par le mouvement Rastafari
A45 – Miss Doriane ALBERICI
4. The geopolitical determinants of Ethiopia-China relations in the context of post-1991 horn of Africa conundrum
B1 - Mr Endalcachew BAYEH (Bahir Dar University)
5. A shared wound: ecological and human death as post-colonial legacies
B14 – Miss Fatima Zohra EL ALAMI (University Mohammed Premier, Oujda, Morocco)
6. Humanitarian aid and political instability in Africa: a decolonial perspective on the Nigerian experience
B21 - Mr Olawale AKINRINDE (University of the Free State, South Africa)
7. Sacred trust and secular impact: an examination of the societal influence of religious institutions in African countries
B29 – Mrs Liviness Phiri MASTER
8. The political economy of war against boko haram and military effectiveness in Nigeria's counter-insurgency operations
B40 – Mr Durosinmi Emmanuel FEMI (Federal University, Oye-Ekiti, Nigeria)
9. The holy strategy: the use of religion in accessing power by political elites in Ghana, Kenya and Zambia
B54 – Miss Racheal MAKOKHA (Stellenbosch University)
10. A view of Mauritius through 19th-century Malagasy written sources
B65 - Mr Alex Claudio RANDRIAMAHEFA (Université d'Antananarivo, Madagascar)
11. Anagogy of artistic creation: toward an emerging theory in the anthropology of art
B76 - Mr Emmanuel Gabin ELOUGA BEKONO (University of Yaoundé)
12. From liner and complex: reimagining clinical reasoning through southern Buddhist perspective
B92 – Dr Buddhima Prasangika Samaraweera (UKZN)
13. Climate narratives and sociopolitical contestations in Zimbabwe and South Africa
B49 – Miss Tendai GANDURI (University of Witwatersrand, South Africa)

TRACK 2: 13:00-17:00

TRACK 2(Online)

THEME: Translational Research and Innovation for Resilient Health Systems

Subtheme: Health Systems, Public Health, and Community-Centred Innovations

Chair: Dr S D Biranjia-Hurdoyal
/Dr B Flepisi

[Zoom Link](#)

Discussants

Dr P Bunwaree
Mrs S Chemen

1. Spiritual intelligence, religiosity, self-uncertainty, and group identification as predictors of well-being in Mauritius
A15 – Mr Louis Adrien Gregory PYANEEANDEE (UoM)
2. A systematic review of clinical practice guidelines for acute stroke rehabilitation assessment in the WHO-African countries
A40 - Mr Nathan RUTATINA (UoM)
3. Identifying drivers of dengue fever outbreaks in Mauritius using Geographic Information System
A44 – Dr Smita GOORAH (UoM)
4. Contributions of adverse childhood experiences (aces) towards substance abuse among Mauritian drug users
AA2 – Miss Nudhar BUNDHOO (UTM)
5. Faith-based healthcare service integration: a missing key to equity and universal health coverage in Nigeria
B9 – Mr Emmanuel Okechukwu (Veritas University Abuja, Nigeria)
6. Financing UHC in Senegal: architecture, instruments and governance
B11 – Miss Fatou Bintou NIANG (Université Gaston Berger/LASPAD)
7. Evaluation maternal organ malfunction in High-Fat, High-Carbohydrate (HFHC)-diet-induced prediabetes in Sprague-Dawley rats as a risk for the development of preeclampsia
B19 – Ms Asiphaphola LUDIDI (UKZN)
8. Prevalence of uncorrected refractive error in the Free State province, South Africa
B47 - Mr Xolani NYATHELA (UKZN)
9. Knowledge and practices of South African optometrists regarding childhood myopia management
B68 - Miss Shivani NAIPAL (UKZN)
10. Caregivers' and healthcare professionals' perspectives on information sharing about autism in rural KwaZulu-Natal, South Africa
B89 - Miss Fatima HAFJEJEE (UKZN)
11. Assessment of the knowledge and attitudes of nurses about preconception care: quantitative study of nurses about preconception care
B91 - Ms Pauline Mutabani (University of Namibia)
12. Methodology for developing a context-specific high-risk stratified checklist for infant hearing loss in primary healthcare
B93 – Dr Nasim Banu KHAN (UKZN)
13. Unlocking autism spectrum disorder: the experiences of young adults and their families in Kwazulu-Natal and Gauteng
B96 – Ms Saira Banu KARRIM (UKZN)

	14. A dry eye disease management model (demm) for the public health sector <i>B97 - Mrs Phindile MDLALOSE (UKZN)</i>
	15. The effects of resistance training on metabolic parameters, muscle strength, and physical function among individuals with Type-2 Diabetes Mellitus <i>B98 - Ms Nokuthula Mtshali (UKZN)</i>
	16. Understanding factors associated with virological non-suppression among HIV-positive patients in Lesotho: A case study of Senkatana Facility <i>B63 – Mrs Malitsoanelo Mary MALOISANE (Stellenbosch University)</i>

TRACK 3: 13:00-17:00	
<u>TRACK 3.1: (Online)</u> 13:00-14:45 THEME: Engineering, Science and Technology Subtheme: Sustainable Materials, Infrastructure, and Environmental Resilience Chair: Prof R Ah King Zoom Link <u>Discussants</u> Dr Y Baguant Dr A Seeboo	1. From waste to walls: enhancing concrete blocks' efficiency with banana fibre strength and thermal <i>A19 – Mrs Yashy RAGHOO-LUCHMUN (UoM)</i>
	2. Using land, time, and value as analytical lenses for understanding infrastructure in post-apartheid South African spaces <i>B61 - Nicola VAN DER WESTHUIZEN (Stellenbosch University)</i>
	3. Recycling of biocomposite waste for construction applications <i>B46 - Miss Sabah ASRI-SSAR (Ibn Zohr University, Morocco)</i>
	4. Sustainable development of green material – micro-cellulose fibres <i>A34 - Mrs Piyushaa EMRITH-JANKEE (UoM)</i>
	5. Exposure to mass movements in the Mifi South Wathershed <i>B13 - Mr Seumo SAINT-CLAIR (University of Yaounde 1)</i>
	6. Predictors of access to improved water and sanitation among households in 31 Sub-Saharan African Countries <i>B7 - Mr Yula SALIFU (University of Ghana)</i>
	7. Assessment of climatological anomalies for drought in the Western Cape Province of South Africa (WCPSA) <i>B60 - Mrs Olapeju Yewande EKUNDAYO (University of Fort Hare)</i>
<u>TRACK 3.2: (Online)</u> 14:45-17:00 THEME: Engineering, Science and Technology	8. A new electrochemical sensor based on magnetic nanoparticles-molecularly imprinted polymer for trimethoprim detection <i>B67 - Mr Hopewell MNYANDU (UKZN)</i>
	9. Structural and mechanistic insights into the PLP-dependent aminotransferase APRL: toward understanding aminoglycoside biosynthesis <i>B33 – Mrs Oluwaseun AJAYI [University of Georgia (UGA)]</i>

Subtheme: Materials, Molecular Sciences and Forensic Applications Chair: Prof S Jhaumeer-Laulloo Zoom Link Discussants Assoc Prof (Dr)J Cheeneebash	10.Synthesis, characterization, and gas sensing properties of rare earth-substituted cobalt and zinc ferrites: a comparative study of Gd and Nd doping in ferrites <i>B50 – Mr Nkanyiso Linda Ndlovu (UKZN)</i>
	11.Molecular dynamics of a model of polymer blends exposed to a solid substrate <i>B22 – Mr Oluwatumininu Emmanuel AYO-OJO (UKZN)</i>
	12. Distribution and diversity of marine diatoms in identified drowning hotspots of Mauritius for forensic use <i>A20 - Mrs Asha Auckloo- POMPEIA (UoM)</i>
	13. Estimating post mortem interval through decomposition stages and arthropod succession on carrion in a forensic context in Mauritius <i>A11 – Mr Sean SOHUN (UoM)</i>

TRACK 4: 13:00-17:00

TRACK 4 (Online) THEME: Education/Higher Education Co-Chairs: Prof A Maharaj/Dr D Cooshna Naik Zoom Link Discussants Mrs S Gunness Assoc Prof (Dr) G Bahadur	
	1. Investigating the effectiveness of virtual reality as a learning medium for practical classes in the medical field <i>A5 – Miss Sweetie Anoucheka GANGABISSOON (UoM)</i>
	2. Two decades of doctoral production: trends, equity, and policy insights from the University of Ibadan (1999–2019) <i>B2 - Mr Oluremi Morakinyo ALAO</i>
	3. A participatory action research inquiry on the lived experience of teachers and students, teachers' adaptive pedagogies, and technology integration (mobile learning) <i>B15 - Mrs Stephanie AKINWOYA (Open University UK)</i>
	4. Reimagining educational leadership for gender equity: a gender-transformative framework for advancing girls in stem education in Rwanda <i>B27 - Mr Jean Paul UZABAKIRIHO (University of Rwanda College of Education)</i>
	5. Silent battles: navigating teachers' challenges in teaching learners with dyslexia in Zimbabwe <i>B28 - Mr Peter MAKAYA (University of Technology, Mauritius)</i>
	6. Exploring Canadian pathologists' lived experiences of burnout to inform a contextual behavioural science (CBS) wellbeing curriculum framework <i>B35 - Ms Britney Angelica SOLL [New School of Psychotherapy and Counselling (NSPC)]</i>
	7. Exploring digital entrepreneurship in South Africa: implications for innovation-driven curriculum design in higher education <i>B39 - Mrs Cymbeline Harilal (UKZN)</i>

	<p>8. Exploring the role of robotics in transforming assessment practices in higher education <i>B81 - Dr Alexander Samuels (North West University Business School)</i></p>
	<p>9. Unauthorised social media platforms in higher education and its reputational impact: a case study of a University of Technology in Gauteng <i>B87 – Mrs Sibongile KUNENE (Vaal University of Technology)</i></p>
	<p>10. Igbo male teachers masculinity constructions in Ebonyi state Nigeria - implications for sexuality education <i>B94 - Chinelo Georgina Candy NWAIGWE (Nelson Mandela University South Africa)</i></p>
	<p>11. Team teaching in blended learning spaces: a critical realist exploration of three universities of technology in South Africa <i>B104 - Mrs Lerato THABANE (Stellenbosch University)</i></p>
	<p>12. Developing ethnoscience-based concepts for teaching & learning database normalisation <i>B80 – Mr Lubabalo MBANGATA (UKZN)</i></p>
	<p>13. Critical reflections on remote and blended teaching practices in South African high schools during the COVID-19 crisis: inequalities, access, and pedagogical challenges <i>B88 – Mr Omesh Narain SINGH (UKZN)</i></p>
	<p>14. Developing a framework for next generation teaching and learning aligned with SDGS <i>A3 – Miss Chitisha GUNNOO (UoM)</i></p>

**4th
Edition**

8 - 10 OCTOBER
2025



University of Mauritius

DOCTORAL SCHOOL

**DOCTORAL
COLLOQUIUM**

CLOSING PROGRAMME

10 OCTOBER 2025
VENUE: LECTURE THEATRE 2

13:30 - 14:00

REGISTRATION

14:00 - 14:05

ADDRESS

Assoc Prof (Dr) Vidushi Neergheen
Director Doctoral School
University of Mauritius

14:05 - 14:10

WELCOME ADDRESS

Prof Mohammad I Santally
Acting Vice-Chancellor
University of Mauritius

14:10 - 14:25

ADDRESS BY CHIEF GUEST

His Excellency Mr Dharambeer Gokhool
President of the Republic of Mauritius

14:25 - 14:45

**LAUNCHING OF THE ALUMNI
DOCTORAL HALL OF FAME**

14:45 - 15:20

PRESENTATION

Best presenters of the Doctoral Colloquium

15:20 - 15:35

**AWARD CEREMONY AND
CLOSING**

**4th
edition**

**8-10 OCTOBER
2025**



University of Mauritius

DOCTORAL SCHOOL

DOCTORAL COLLOQUIUM

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Doctoral School:

Ms N. Appasamy, Mr G Baungally, Mrs V S Jhugaroo & Mrs V. Petit

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